WHAT IS CLAIMED IS:

1. An electric motor comprising:

a brush holding portion provided in a brush holder; and

a terminal insertion hole to which a terminal connected to a brush is insertable, the terminal insertion hole being provided in a feed connector integrally formed with the brush holder;

a base end portion of the terminal having a fitting hole, and a projection disposed in the brush holder, and

wherein the fitting hole of the terminal inserted into the terminal insertion hole is freely fitted to a projection of the brush holder.

2. An electric motor as claimed in claim 1, wherein a rising wall is formed in a rear side of the terminal insertion hole in the brush holder, and

wherein the terminal is elastically deformed with respect to an upper surface of the rising wall so as to overcome the rising wall, and is inserted into the terminal insertion hole, the fitting hole of the terminal is fitted to the projection in the brush holder, and a base end portion of the terminal is abutted against the rising wall so as to be prevented from unintentional disassembly.

3. An electric motor as claimed in claim 2, wherein the terminal is formed in a flat plate shape, having a main body portion inserted into the terminal insertion hole and a bent base end portion obliquely crossing to the main body portion, and forming a fitting hole in the base end portion,

a downward slope surface forming a downward slope toward the rising wall being formed in a front side of the rising wall in the brush holder, and a projection being formed in the downward slope surface, and

wherein the bent base end portion of the terminal getting over by elastic deformation of the upper surface of the rising wall is arranged along the downward slope surface, and the fitting hole is fitted to the projection.

4. An electric motor as claimed in claim 3, wherein an entire surface of an end surface abutting against the wall surface of the rising wall in the bent base end portion of the terminal conforms to the wall surface of the rising wall.

5. An electric motor as claimed in claim 1, wherein the fitting hole of the bent base end portion is formed in a circular shape, and the projection of the brush holder is formed in a circular columnar shape.

6. An electric motor as claimed in claim 2, wherein the fitting hole of the bent base end portion is formed in a circular shape, and the projection of the brush holder is formed in a circular columnar shape.

7. An electric motor as claimed in claim 3, wherein the fitting hole of the bent base end portion is formed in a circular shape, and the projection of the brush holder is formed in a circular columnar shape.

8. An electric motor as claimed in claim 4, wherein the fitting hole

of the bent base end portion is formed in a circular shape, and the projection of the brush holder is formed in a circular columnar shape.

9. An electric motor as claimed in claim 3, wherein an angle formed by an end surface of the bent base end portion abutting against the wall surface of the rising wall, and a lower surface of the base end portion arranged along the downward slope surface of the brush holder forms an acute angle.

10. A motor-driven power steering apparatus using the electric motor as claimed in claim 1.

11. A motor-driven power steering apparatus using the electric motor as claimed in claim 2.

12. A motor-driven power steering apparatus using the electric motor as claimed in claim 3.

13. A motor-driven power steering apparatus using the electric motor as claimed in claim 4.

14. A motor-driven power steering apparatus using the electric motor as claimed in claim 5.

15. A motor-driven power steering apparatus using the electric motor as claimed in claim 6.

16. A motor-driven power steering apparatus using the electric motor as claimed in claim 7.

17. A motor-driven power steering apparatus using the electric motor as claimed in claim 8.

18. A motor-driven power steering apparatus using the electric motor as claimed in claim 9.